

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for ALPHA-SPINASTEROL**

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acacia farnesiana	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Acacia farnesiana	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Aesculus hippocastanum	Bark				Jim Duke's personal files.
Aesculus hippocastanum	Seed				Jim Duke's personal files.
Amaranthus spinosus	Leaf				Wealth of India.
Bupleurum chinense	Root				--
Camellia japonica	Seed				Wealth of India.
Camellia sinensis	Leaf				Chemical Constituents of Oriental Herbs (3 diff. books)
Citrullus colocynthis	Fruit				--
Citrullus lanatus	Seed Oil				--
Cucumis sativus	Leaf				--
Cucumis melo	Stem				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cucurbita pepo	Seed				--
Cucurbita pepo	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
Luffa aegyptiaca	Plant				--
Medicago sativa	Fruit		37.0		--
Medicago sativa	Plant				--
Menyanthes trifoliata	Root				--
Momordica charantia	Fruit				Jim Duke's personal files.
Nigella sativa	Seed				--
Nigella sativa	Seed Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ononis spinosa</i>	Root		180.0		Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
<i>Phytolacca americana</i>	Fruit				--
<i>Platycodon grandiflorum</i>	Root				--
<i>Polygala senega</i>	Root				--
<i>Prunella vulgaris</i>	Plant				--
<i>Spinacia oleracea</i>	Leaf				--
<i>Trichosanthes kirilowii</i>	Seed				--
<i>Verbascum thapsus</i>	Fruit				--
<i>Vernonia cinerea</i>	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.